

## What are Invasive Alien Species?

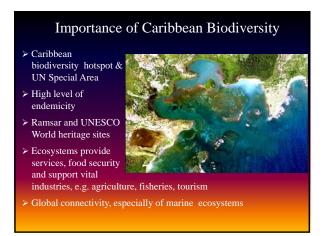
IAS are plants, animals or micro-organisms that are not native to a specific ecosystem and whose introduction threatens biodiversity, food security, health or economic development.

- Invasive: they harm other species and/or take over their habitats
- Alien: Exotic, not native; they arrive without the natural enemies (e.g. predators) they had at home
- Often pioneer species: adaptable and prolific



## Impact of Invasive Alien Species The global cost of IAS is estimated at US\$1.4 trillion per year (nearly 5% GDP) - and rising in times of globalization and climate change African vervet monkey Fig. 1: The man personage house by were moderney by a farkable to 1806 and 1816.





# Vulnerability of Caribbean Biodiversity > Complexity of region: physical, geographical, political, social & economical > Multiplicity of pathways for IAS introduction: Trade, Transport, Travel and Tourism ('the infamous four Ts') > Below critical mass breeding sites and populations > Inadequate capacity and linkages between key stakeholders

## "Mitigating the Threats of Invasive Alien Species in the Insular Caribbean" Goal Conserve globally important ecosystems, the species and genetic diversity within the insular Caribbean Objective Mitigate the threat to local biodiversity and economy by IAS in the insular Caribbean, including terrestrial, freshwater and marine ecosystems

## Components of GEF-funded Project C1: Development of a National Invasive Species Strategy (NISS) C2: Establishment of regional, Caribbean- wide cooperation and invasive species strategy (CIAS) C3: Knowledge management and sharing C4: Prevention of new IAS Introductions in Terrestrial, Freshwater and Marine Systems; St. Lucia: Savannes Bay / Maria Islands C5: Early Detection, Rapid Response and Control of IAS Impacts; St. Lucia: alien iguana eradication in the Soufriere area

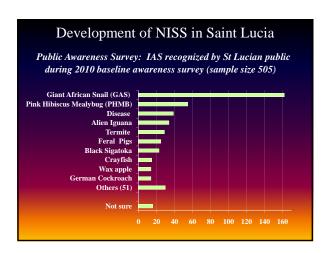
	Bahamas	Dominican Republic	Jamaica	Trinidad & Tobago
Component 4 (Prevention)	-			Frost pod rot of cocoa
Component 5 (Control)	Lionfish	Alto Velo Cabritos	Goat Island Lionfish	Red palm mite Green mussel
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## Development of NISS in Saint Lucia Broad-based National IAS Working Group established with ad hoc sub-groups as required, e.g. NISS Team, Lionfish Taskforce Type / Affiliation Agency represented Ministry of Agriculture, Lands, Fisheries and Forestry (MALFF) Biodiversity Unit Caribbean Environmental Health Institute (CEHI) Intergovernmental (CARICOM) Coastal Zone Management Unit Ministry of Physical Planning and the Environment Customs & Excise Department Durrell Wildlife Conservation Trust (DWCT) Ministry of Finance International NGO Fisheries Department MALFF Forestry Department Foresty Department Organisation of Eastern Caribbean States (OECS) Saint Lucia Air & Seaports Authority (SLASPA) Saint Lucia Dive Association (ANBAGLO) Saint Lucia National Trust (SLNT) Ministry of Communications and Works NGO

## Critical Situation Analysis analyses status quo, incl. IAS presence, distribution, public awareness, management practices, legislation and policy 98 terrestrial IAS identified 24 vertebrates 28 invertebrates 41 plants 5 microbes and viruses Aliens introduced some generations ago often falsely viewed as native

BananaMango

Development of NISS in Saint Lucia



## Development of NISS in Saint Lucia

- NISS Team prepared thematic analyses as stand-alone reports to inform NISS:
  - Aquatic and terrestrial ecosystems
  - & Prioritization of high risk pathways
  - & Capacity-building needs, public awareness
  - & Policy gaps and needs











## Regional, Caribbean-wide Cooperation and Invasive Alien Species Strategy (CIAS)

- Participate fully in relevant regional and global IAS for a, e.g. CARICOM, CISWG, GLISPA, GloBallast, OECS, UNEP CEP, etc.
- Regional consultation on CIAS by ecosystem approach (terrestrial, marine, freshwater)
- ➤ Saint Lucia to lead cooperation in OECS and Creole-speaking



## Knowledge Management and Sharing

- Design national public education campaign based on awareness survey
- ➤ Input into regional Communication, Education & Public Awareness (CEPA) Plan
- ➤ Electronic IAS networks:
  - http://www.saintlucianplants.com
  - Carib\_IAS\_Threat@YahooGroups.com
  - http://www.ciasnet.org
- Establish linkages with global databases:
  - Alien iguana profile submitted to GISD
  - IABIN I3N training complete

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## IAS Prevention in Savannes Bay / Maria Island Nature Reserve

## IAS Prevention in Maria Island Nature Reserve / Savannes Bay Aims to conserve critical species, such as endemic Saint Lucia whiptail and Saint Lucian racer Prevent re-introduction of predators to off-shore islands in order to preserve metapopulations Demarcate Maria Islands Marine Reserve Marine monitoring beyond pilot site: private sector involved

